

ORDINANCE NO. 1378

AN ORDINANCE OF THE CITY OF LODI ESTABLISHING AND PROVIDING
FOR THE REGULATION OF CROSS CONNECTIONS TO THE CITY'S POTABLE
WATER SYSTEM

ARTICLE 1. GENERAL

The City Council of the City of Lodi DOES ORDAIN as follows:

Sec. ____ -1 Purpose

The **purpose** of this ordinance is (1) to protect the public potable water system against actual or potential cross connections by isolating within the premises, contamination or pollution that may occur **because** of **some** undiscovered or unauthorized cross connection on the premises; (2) to eliminate existing connections between drinking water system and other sources of water that are not approved as safe and potable for human consumption; (3) to eliminate cross connections between drinking water systems and other sources of water or process water used for any purpose which may jeopardize the safety of the drinking water supply; (4) and to prevent the making of cross connections in the future.

The latest edition of the "Manual of **Cross** connection Control procedures and Practices" prepared by the State of California, Department of Health Services is also made part of these regulations. These regulations are adopted in accordance with Title 17 entitled "Regulations Relating to Cross Connections" of the State of California Administrative code.

Sec. ____ -2 Definitions

Unless otherwise defined herein, terms **shall** be as adopted in the latest edition of "Manual of Cross Connection Control Procedures and Practices" prepared by the State of California, Department of Health Services.

1. Approved Water Supply. **Any** potable water supply approved by the health agencies of the State of California, San Joaquin County, and the City of Lodi.
2. Auxiliary Water Supply. Any water supply on or available to a premise other than the public potable water supplied by the City of Lodi.
3. Backflow. The flow of water or any other substance **into** the distribution pipes of a potable water supply **system** from any **other** source than the public water system. Backflow can be caused by either backpressure or backsiphonage.
4. Backflow Prevention Device. A device or means, which has been approved **by** the City of Lodi, designed to prevent backflow.
5. City. The City of Lodi, San Joaquin County, California.
6. Consumer or User. The owner or operator of a private water system having a service **from** a public water system.
7. contamination. **An impairment** of the quality of the potable water system by any foreign substance.
8. Cross Connection. **An unprotected** actual or potential connection between a potable water system and any source or system containing unapproved water or any other substance.
9. Hazard, Degree of. An evaluation of the actual or potential risk to public health and the adverse effect of the hazard **upon** the potable water system as determined by the City of Lodi.
10. Multiple Service. **Two or more** water service connections at a single premise.

11. Premise. A parcel of real estate including any improvements thereon which is determined by the City to be a single user for purposes of receiving, using, and paying for service.
12. Public Water System. The potable water supply system operated by the City of Lodi from the city wells to the consumers' service connections.
13. Service Connection. The terminal end of a service from the public water system, i.e. where the City loses jurisdiction and sanitary control at its point of delivery to the consumer's water system.

ARTICLE II. REGULATIONS

Sec. ____ -3 Where Protection is Required

1. Each service connection to premises having an auxiliary water supply shall be protected against backflow into the public water system.
2. Each service connection to premises on which any substance is or may be handled such that entry into the on-site water system is possible shall be protected against backflow of the substance into the public water system. This shall include the handling of process waters and waters originating from the public water system which have been subject to deterioration in quality.
3. Each service connection to any premises that have internal cross connections unless such cross connections are abated to the satisfaction of the City.

Sec. ____ -4 Type of Protection

The protective device required shall depend on the degree of hazard. In determining the degree of hazard and type of backflow prevention device to be required, the following criteria shall be used:

1. At the service connection to any premises where there is an auxiliary water supply handled in a separate piping system with no known or easily established cross connections, the public water supply shall be protected by a double check valve assembly.
2. At the service connection to any premises where there is an auxiliary water supply where cross connections are known to exist which cannot be practically eliminated, or where the auxiliary water supply may be contaminated, the public water system shall be protected by an air gap separation or a reduced pressure principle backflow device.
3. At the service connection to any premises on which a substance that would be objectionable but not hazardous to health is handled in such a manner that may permit its entry into the water system, the public water system shall be protected by a double check valve assembly.
4. At the service connection to any premises on which any material dangerous to health, or toxic substances handled in toxic concentrations, is handled in such a manner that may permit its entry into the on-site water system, the public water system shall be protected by an air gap separation or a reduced pressure principle backflow device.
5. At the service connection to any sewage treatment plant, sewage pumping station, storm water pumps, or reclaimed water reuse areas, the public water system shall be protected by an air gap separation or a reduced pressure principle backflow device.
6. At the service connection to hospitals, medical and dental facilities, mortuaries, food or beverage processing facilities, chemical facilities, water systems with chemical additives, irrigation systems, laundries, laboratories, pet hospitals metal

processing facilities, petroleum or gas handling facilities, plating facilities, rubber facilities, cement or concrete mixing facilities, or other premises where the City determines that a special hazard exists, the public water system shall be protected by a backflow prevention device as determined by the degree of hazard.

7. At all service connections to premises having a multiple service with no known cross connections or special hazards, the public water system may be required to be protected by double check valves, and where there may be cross connections or special hazards, the public water system shall be protected by reduced pressure principle devices.
8. Where a booster pump is installed on the service to any premise, such pump shall be equipped with regulating devices such that the inlet pressure will not fall below 10 psig.
9. New commercial/industrial shell buildings with unknown future uses shall leave sufficient space (one foot per diameter-inch of service, plus one foot) after the meter box for possible future installation of a backflow prevention device.

Sec. ____ -5 Responsibilities

1. It is the responsibility of the City to make the determination that a service connection, or the handling of substances within the premises served, constitutes a hazard to the public water system and to determine the degree of hazard and establish the requirements for protection.
2. It is the responsibility of the consumer, at his own expense, to install, maintain, and operate approved backflow prevention devices as directed by the City. The consumer shall be responsible to have tests made at least once a year, or more often in those instances where successive tests indicate defective operation of the backflow prevention devices, by an approved backflow prevention device tester. The records of such tests, repairs, or overhauls shall be kept and copies submitted to the City. It is also the responsibility of the consumer to prevent cross connections, or pollutants or contaminants from entering their potable water system(s). The consumer's responsibility begins at the service connection and shall include any and all on-premise water distribution piping. The consumer shall allow the Public Works Director or his agents ready access at all reasonable times to all parts of the premises for the purposes of inspection of either the consumer's water system or backflow prevention device(s).

Sec. ____ -6. Approval of Backflow Prevention Device Testers

1. The City shall maintain in a list of approved Backflow Device Testers. No person shall test and/or make reports of tests of backflow prevention devices unless the person's qualifications have been established to the satisfaction of the City.
2. Every person desiring to qualify as a Backflow Prevention Device Tester shall make application to the Public Works Department of the City, and shall have a current City of Lodi Business license.
3. The City will evaluate the applicant's qualifications as a Backflow Prevention Device Tester. Any or all of the following may be considered in approving a Tester.
 - a. Certification as a Backflow Prevention Device Tester with the American Water Works Association (AWWA).
 - b. Completion of approved courses in Backflow Prevention Device Testing.
 - c. Experience in Backflow Prevention Device Testing.
 - d. Oral and/or performance evaluations conducted by the City.

4. Approval will be revoked from any tester who fails to comply with any of these regulations or falsifies inspection or maintenance reports. Testers will not be eligible for reapproval for two years.

ARTICLE 111. ENFORCEMENT

Sec. ____ -7 Discontinuance of Service

The City shall have the authority to discontinue water service to any premises where:

- 1) unprotected cross connections are found to exist;
- 2) a backflow prevention device has been altered, bypassed, or removed;
- 3) a backflow prevention device has not been properly tested, maintained, or repaired;
- 4) the consumer has not taken proper action as determined by the City to be necessary to protect the potable water supply.

The water service is to remain discontinued until such corrections are made. The consumer will be charged for the turning off and on of the water service an amount to be determined by the City.

ARTICLE IV. SEVERABILITY

Sec. ____ - 8

Where these regulations differ with State of California or San Joaquin County regulations the more stringent shall apply. If any provisions of these regulations or the application to any person or circumstances is held invalid, the remainder of the regulations or the application of such provisions to other persons or circumstances shall not be affected.

SECTION All ordinances and parts of ordinances in conflict herewith are repealed insofar as such conflict may exist.

SECTION This ordinance shall be published one time in the "Lodi News Sentinel", a daily newspaper of general circulation printed and published in the City of Lodi and shall be in force and take effect thirty days from and after its passage and approval.

Approved this 2nd day of April, 1986

Name _____

DAVID M. HINCHMAN
MAYOR

Attest :

ALICE M. REIMCHE
City Clerk

state of California
County of San Joaquin, ss.

I, Alice M. Reimche, City Clerk of the City of Lodi, do hereby **certify** that Ordinance No. 1378 was introduced at a regular ~~meeting~~ of the City-Council of the city of ~~Lodi~~ held March 19, 1986 and ~~was~~ thereafter passed, adopted and ordered to print at a

regular meeting of said Council held April 2, 1986 by the following vote:

Ayes : Council Members - Olson, Pinkerton, Reid, Snider,
and Hinchman (Mayor)

Noes : Council Members - None


Absent: Council Members - None

Abstain: Council Members - None

I further certify that Ordinance No. 1378 was approved and signed by the Mayor on the date of its passage and the same has been published pursuant to law.

ALICE M. REIMCHE
City Clerk

Approved as to form


RONALD M. STEIN
City Attorney